ABSTRACT OF THE DISCLOSURE

A dissolution system provides remote flow cells integrated into a manifold device. The manifold device communicates with liquid input and output lines associated with each flow cell, as well as fiber-optic input and output lines associated with each flow cell. Liquid samples are respectively drawn from dissolution vessels, optically-related measurements are taken, and the samples are thereafter returned their respective vessels. The manifold device can be adapted to receive probe-type instruments that incorporate the fiber-optics, wherein each probe-type instrument is associated with each flow cell. Alternatively, each corresponding pair of fiber-optic input and output lines are disposed in opposing, optically-aligned relation and probe-type instruments are not used. The gap between the ends of the opposing fiber-optic lines provides a light path across the corresponding flow cell. Calibration procedures using blank and/or standard media are performed using the same flow cells, with provisions made for bypassing the vessels in which the samples to be analyzed are held.